

IN-BAND CONTROL MECHANISM FOR SWITCHING ARCHITECTURE

ABSTRACT

Systems for in-band control that establish relationships between incoming data and one or more destinations to which the data is to be transmitted. In the in-band control embodiments described herein, a connection is established between two ends of a circuit by provisioning at one end of the circuit. A circuit connection table is kept at both ends of the circuit. This table contains the new and existing circuit connection information. A software process writes to the connection table at the local end of the circuit with the address information of the remote end of the circuit. The circuit connection information is to be periodically sent to the remote end to establish or tear down new connections.